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Approved for use through 10/31/2002 OMB 0651-0032

U S Patent and Trademark Office, U S DEPARTMENT OF COMMERCE  
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PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2494/105

First Inventor Haixiang He

Title Method and Apparatus for Producing a Multicast Tree

Express Mail Label No. EL502340629US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 21]  
(preferred arrangement set forth below)
 

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 4 ]

5. Oath or Declaration [ Total Pages 3 ]

a.  Newly executed (original or copy)

b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)

6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation    Divisional    Continuation-in-part (CIP)

of prior application No. /

Prior application information

Examiner \_\_\_\_\_

Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	00210 (Insert Customer No. or attach bar code label here)		<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
PATENT TRADEMARK OFFICE			
Name	Steven G. Saunders		
Address	Bromberg & Sunstein LLP		
City	Boston	State	MA
Country	US	Telephone	617-443-9292
Name (Print/Type)	Steven Saunders	Registration No. (Attorney/Agent)	36,265
Signature			Date April 26, 2001

Burden Hour Statement. This form is estimated to take 0 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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04/26/01

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# FEE TRANSMITTAL

## for FY 2000

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 CFR §§ 1.27 and 1.28

TOTAL AMOUNT OF PAYMENT (\$974.00)

## Complete if Known

Application Number	April 26, 2001
Filing Date	April 26, 2001
First Named Inventor	Haixiang He
Examiner Name	
Group / Art Unit	
Attorney Docket No.	2494/105

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)			
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:				3. ADDITIONAL FEES			
Deposit Account Number 19-4972				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
Deposit Account Name				105	130	205 65 Surcharge - late filing fee or oath	0.00
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17				127	50	227 25 Surcharge - late provisional filing fee or cover sheet	0.00
2. <input checked="" type="checkbox"/> Payment Enclosed:				139	130	139 130 Non-English specification	0.00
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other				147	2,520	147 2,520 For filing a request for reexamination	0.00
FEE CALCULATION				112	920*	112 920* Requesting publication of SIR prior to Examiner action	0.00
1. BASIC FILING FEE				113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	0.00
Large Entity Fee Code (\$)				115	110	215 55 Extension for reply within first month	0.00
Small Entity Fee Code (\$)				116	380	216 190 Extension for reply within second month	0.00
Fee Description				117	870	217 435 Extension for reply within third month	0.00
Fee Paid				118	1,360	218 680 Extension for reply within fourth month	0.00
710.00				128	1,850	228 925 Extension for reply within fifth month	0.00
101 690 201 345 Utility filing fee				119	300	219 150 Notice of Appeal	0.00
106 310 206 155 Design filing fee				120	300	220 150 Filing a brief in support of an appeal	0.00
107 480 207 240 Plant filing fee				121	260	221 130 Request for oral hearing	0.00
108 690 208 345 Reissue filing fee				138	1,510	138 1,510 Petition to institute a public use proceeding	0.00
114 150 214 75 Provisional filing fee				140	110	240 55 Petition to revive - unavoidable	0.00
SUBTOTAL (1) (\$ 710.00)				141	1,210	241 605 Petition to revive - unintentional	0.00
2. EXTRA CLAIM FEES				142	1,210	242 605 Utility issue fee (or reissue)	0.00
Extra Claims Fee from below Fee Paid				143	430	243 215 Design issue fee	0.00
Total Claims 28 -20** = 8 x 18 = 144				144	580	244 290 Plant issue fee	0.00
Independent Claims 4 - 3** = 1 x 80 = 80				122	130	122 130 Petitions to the Commissioner	0.00
Multiple Dependent 0 = 0				123	50	123 50 Petitions related to provisional applications	0.00
*or number previously paid, if greater; For Reissues, see below				126	240	126 240 Submission of Information Disclosure Stmt	0.00
Large Entity Fee Code (\$)				581	40	581 40 Recording each patent assignment per property (times number of properties)	0.00
Small Entity Fee Code (\$)				146	690	246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	40.00
Fee Description				149	690	249 345 For each additional invention to be examined (37 CFR § 1.129(b))	0.00
710.00				Other fee (specify)			0.00
SUBTOTAL (2) (\$ 224.00)				Other fee (specify)			0.00
Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 40.00)			

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Steven G. Saunders	Registration No. (Attorney/Agent)	36,265	Telephone	617-443-9292
Signature				Date	April 26, 2001

## WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: He

Application No.: Group No.:  
Filed: April 26, 2001 Examiner:  
For: Method and Apparatus for Producing a Multicast Tree

**Commissioner for Patents**  
**Washington, D.C. 20231**

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number EL502340629US  
Date of Deposit April 26, 2001

I hereby state that the following *attached* paper or fee  
new utility patent application and documents referenced therein

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service  
under 37 C.F.R. section 1.10, on the date indicated above and is addressed to the Assistant Commissioner  
for Patents, Washington, D.C. 20231.

Steven G. Saunders



Signature of person mailing paper or fee

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**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	He, Haixiang
Title	Method and Apparatus for Producing. . .
Atty Docket Number	2494/105

I hereby certify that the invention disclosed in the attached application **has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing**. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

April 26, 2001

Date



Signature

Steven G. Saunders

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**